Seat No:	Enrollment No:

PARUL UNIVERSITY

FACULTY OF ENGINEERING & TECHNOLOGY

Diploma Engineering, Mid semester Examination

Semester: 4th
Subject Code: 03609281
Subject Name: Power Plant Engineering
Date: 24/01/2023
Time: (1hr: 30min)
Total Marks: 40

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- 4. English version is considered to be Authentic.

Q.1 Answer any six out of Ten. (2 Marks Each)	(12)	Co/Po	BL
1. Define power plant.			Knowledge
2. Connected load			Knowledge
3. Define R/P ratio.			Analyze
4. Define primary and secondary energy.			Knowledge
5. Define hydroelectric power plant.			Knowledge
6. Define commercial energy.			Knowledge
7. Peak Load			Knowledge
8. Load factor			Knowledge
9. Load curve			Knowledge
10. Write Equation of power of Hydro power station.			Knowledge
Q.2 A) List types of run off.	(03)		Analyze
OR			
A) State the different types of energy sources for power plants.	(03)		Knowledge
B) List advantages of Hydro project	(03)		Knowledge
OR			
B) Explain Non commercial energy, renewable energy and non	(03)		Understand
renewable energy.			
C) List various factor affecting the operation of power plant.	(04)		Knowledge
OR			
C) State the selection criteria for the location of power plants and explain any five selection criteria.			Analyze
D) State the classification of different types of power plants.	(04)		Knowledge
Q.3 A) Draw a schematic layout of hydro-electric power plant.	(03)		Analyze
OR			-
A) Discuss Hydrographs.	(03)		
B) Explain Types of loads.	(03)		Understand
OR			
B) Explain methods of meeting the fluctuating load in power plant.	(03)		Understand
C) List the names of any ten power plants of India with the places where	(04)		Analyze
they are situated.			
OR			
C) Explain Energy Rates Or Tariffs.	(04)		Understand
D) Discuss Cost Of Electrical Energy.			Evaluate